User Guide

Blu-ray Disc™ Player

■ BluTechVision 3D

233-34466.020

LOEWE.

Getting Started

Preparation

TV operation	TV
BluTechVision operation	DVD press briefly
Switch device on/off	⏻
Insert disc	Button on device ⏏ – Insert Disc – ⏏

Operating modes

Select operating mode	ASSIST ◀ ▶ Movie - Music - Photo **OK**
If applicable select medium	◀ ▶ Disc - USB **OK**

Playback

Playback	▶
Pause	⏸
Stop (Continue)	■
Stop	■ ■
Search forwards	▶▶ extended press, then press several times
Search backwards	◀◀ extended press, then press several times
Next/Previous Chapter	**P+/-**
Volume	**V+/-**
Individual frame	⏸ (press several times)
Slow motion	⏸ ◀◀ / ▶▶ press for a long period, then press several times

Other Functions

Call up the menu	MENU
Close menu	END
Title menu	INFO ◀ ▶ ▲ ▼
Disc Menu (Blu-ray, Disc™/DVD)	TEXT ◀ ▶ ▲ ▼
Pop-Up Menu (Blu-ray Disc™)	◀ ▶ ▲ ▼
Menu Picture Mode	PIP ◀ ▶ ▲ ▼
Repeat	EPG (press several times) **OK**
Zoom Menu	
zoom out	
zoom in	
Screen off/on (Music)	
Sets a marker	
Marker call up	extended press ◀ ▶ **OK**
HDMI Format	

BD-LIVE™

Pop-UP Menu (Blu-ray Disc™)	◀ ▶ ▲ ▼ Sub-menu/MenuBD-LIVE™ ◀ ▶ **OK**

Please unfold this page.

Remote Control Assist – BluTechVision 3D Operation

Audio off / on (Loewe TV set)

LED display for current operating mode

Switch over to operate TV

Device set, e.g. Operate DVD Recorder

(Page 29) ..... Pop-Up/Disc menu

(Page 28) ..... Zoom menu

(Page 25) ..... Repeat

(Page 28) ..... DISC: Menu of the inserted DVD

(Page 14) ..... Setup menu

Volume (Loewe TV set)

(Page 14) ..... Confirm/Open

Green button: Code screen for subtitles

Red button: Music: Screen off/on

(Page 25) ..... short: Previous chapter

long: Search backwards (press several times)

HDMI resolution

(Page 25) ..... Pause

Switch on/off in standby mode .....(Page 13)

Device set, e.g. Operate **AudioVision**

AudioVision short: CD/DVD/USB/iPod; long: FM-Radio

Device set, e.g. Operate **BluTechVision**

Sound adjustment/sound via (Loewe TV set)

MENU: Enter numbers or letters

MENU: Enter numbers or letters

Menu Picture Mode .....(Page 29)

Home Menu.....(Page 14)

Title Menu .....(Page 25)

Close menu.....(Page 14)

DISC: Select title up/down.....(Page 26)

FILE: Browse list forwards/backwards .....(Page 31)

Select Setup menu .....(Page 14)

Yellow button: Menu Marking: delete marking

Blue button: short: Set marker

long: Search bar

Playback .....(Page 25)

short: Next chapter.....(Page 25)

long: Search forwards (press several times)

Stop.....(Page 25)

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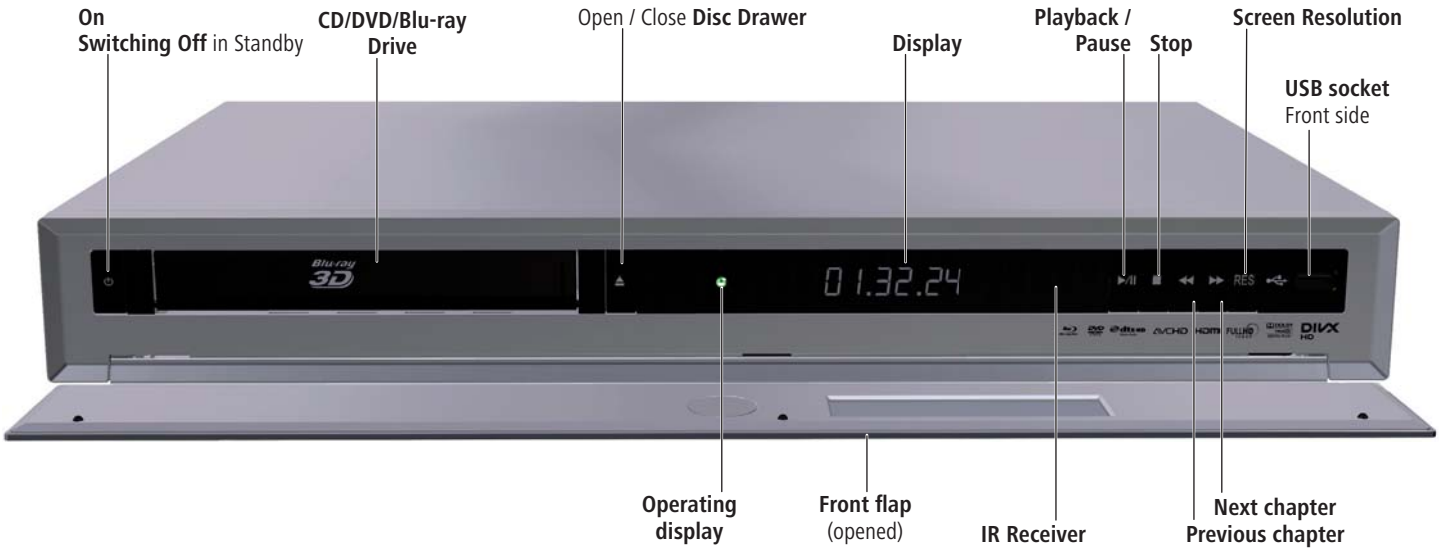
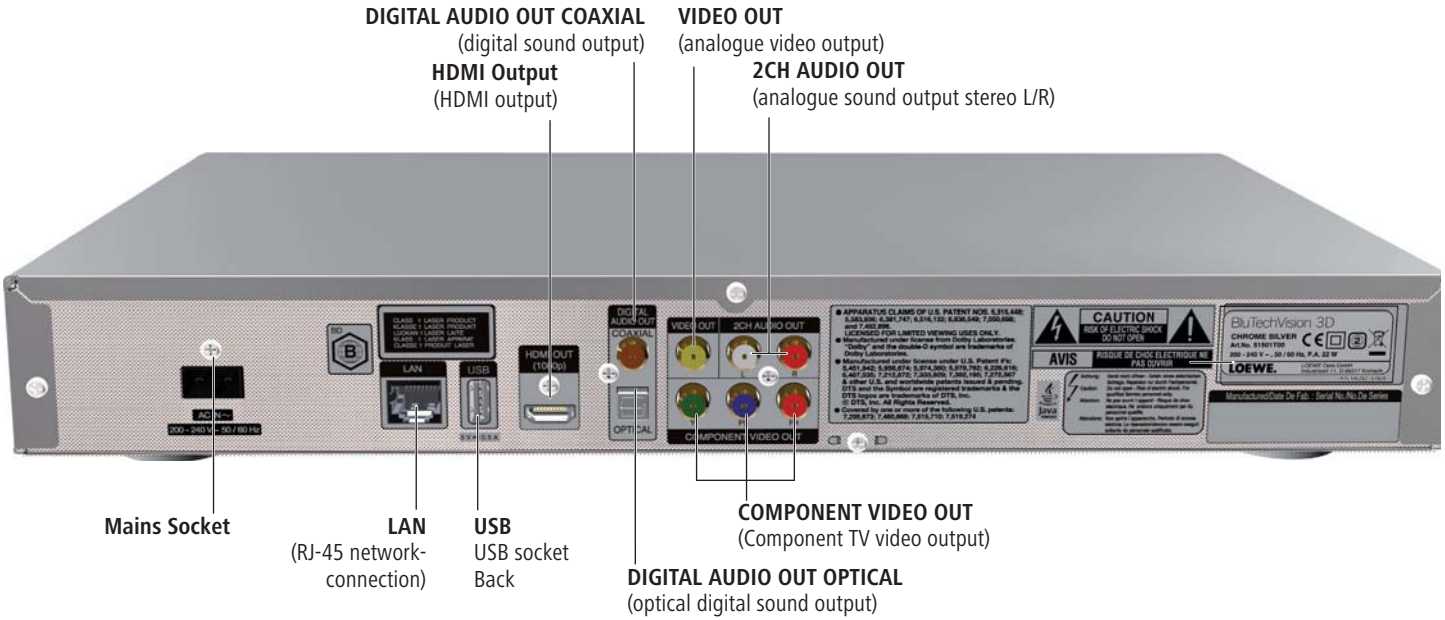
Front / Rear View





Performance

Your **Loewe BluTechVision 3D** offers you comfortable access to your media collection. It plays Blu-ray Discs™ in the 2D/3D format, audio-CDs and video-DVDs. Digital Video, Photo and Music Files can also be played from USB Sticks and from Data Discs.

Connection options
2x USB 2.0
HDMI OUT (HDMI output)
VIDEO OUT (Video output)
COMPONENT VIDEO OUT (Components Video Output)
2CH AUDIO OUT L/R (analogue sound output stereo L/R)
DIGITAL AUDIO OUT - COAXIAL (digital sound output)
DIGITAL AUDIO OUT - OPTICAL (optical digital sound output)
LAN (network connection)

Blu-ray™/CD/DVD-Player
Playback of Blu-ray™ 2D and 3D Discs
Playback from Audio CDs, CD-R and CD-RW Discs
Playback from DVD-Video, DVD-ROM and DVD-RW Discs
DVD Upscaling (720p/1080p)
Operation using drive buttons on the device and **Assist** remote control

Media management
Display of album graphics

Music Play
Playback of MP3, WMA Audio files
Repeating Titles, Tracks or Directories
Shuffle

Video Playback
Playback of DivX(HD) Video Files
Playback of Subtitles

Photo Playback
Playback of JPEG photo files
Slideshow with music

Use with other Loewe system components
Connection of Loewe flat TV sets via Digital Link HD (HDMI CEC) (from mainframe L271x - if necessary, a software update of the TV set must be carried out) and operation only with one **Assist** remote control - also with the concealed setup of **BluTechVision Interactive 3D**.

Welcome

Thank you

for choosing a Loewe product. We are happy to welcome you as our customer. At Loewe, we combine the highest standards of technology, design and user-friendliness. This is equally true of TV, DVD, video, audio and accessories. Neither technology nor design is an end in itself, but both are intended to provide our customers with the best possible audio and visual experience. Our design is not influenced by short-term, fashionable trends. You have, after all, purchased a high-quality piece of equipment which you do not want to tire of tomorrow or the day after.

Scope of delivery

- BluTechVision 3D
- Assist Remote Control with 2 batteries
- HDMI cable
- Mains cable
- These operating instructions

Setup

- Place the device on a stable, level surface.
- Do not set up the unit near strong heat sources or in direct sunlight.
- If setting up in a shelf or a closed cupboard: Leave at least 2.5 cm clearance around the unit, so that the air can circulate unhindered and there is no heat build-up.
- The picture and sound of a TV set, a player or a radio nearby could have their transmissions distorted. If this is the case, do not place the device in the immediate proximity of these devices.
- Set the device up so that the infrared signal of the remote control can directly reach the display of the player (or, if this is not possible, refer to "Digital Link HD (HDMI CEC)" page 13).
- Do not place any strong artificial light source in front of the unit. This could have a detrimental effect on the infrared reception.
- Incorrect voltages can damage the unit. This unit may only be connected up to an electricity supply with the voltage and frequency stated on the rating plate.
- During thunderstorms, disconnect the mains plug. A voltage surge caused by lightning conducted through the mains could damage the unit.
- If the unit is not to be used for an extended period, the plug should also be disconnected from the mains.
- The mains plug must be easy to reach to ensure that the unit can be disconnected from the mains at any time.
- Position the mains cable in such a way that it can not be damaged. The network cable must not be bent or placed on sharp edges, should not be walked on and not be subjected to any chemicals. The latter applies to the entire unit. A mains cable with damaged insulation can cause electric shocks and represents a fire hazard.
- When you want to unplug from the mains, pull on the plug housing rather than on the cable. The cables in the mains plug could otherwise be damaged and could cause a short-circuit when being plugged in again.

Please also read and follow the safety advice on the following pages.

For your Safety

For your safety, and to avoid unnecessary damage to your unit, please read and follow the safety advice below.
Please keep the safety information in a safe place.

Use for the intended purpose and ambient conditions

This unit is intended exclusively for playback of video and audio signals. It is designed for living or office rooms and may not be used in rooms with a high level of **humidity** (e.g. bathroom, sauna) or a high **dust concentration** (e.g. workshops).

The terms of the warranty only cover the intended use of the unit.

If the unit is used outdoors, make sure that it is protected from **moisture** (rain, drips, spray or condensation).

High concentrations of moisture and dust lead to creepage current in the unit which can make it dangerous if a live wire is touched, or it may cause a fire.

If you have moved the unit out of the **cold** into a warm environment, leave it switched off for about an hour to avoid the formation of **condensation**.

Always switch off your system (**BluTechVision 3D**, TV set and any other components which may be connected) before connecting or disconnecting other devices or speakers.
Protect your device from:

- Water, moisture, drips or sprayed water, steam.
- Impacts and mechanical stress
- Magnetic and electric fields
- Cold, heat, direct sunlight and high temperature fluctuations
- Dust
- Covers that inhibit ventilation
- Interference with the internal workings of the unit

Do not place objects containing liquids on top of the unit.

Candles and other open flames must be kept away from the unit at all times to prevent the spread of fire.

Do not cover ventilation slits with magazines or blankets. Pay attention, for example, to curtains etc.

ATTENTION: TO PREVENT ELECTRICAL SHOCK, DO NOT REMOVE THE COVER. THERE ARE NO PARTS INSIDE THE UNIT THAT CAN BE REPAIRED BY THE USER. REPAIRS SHOULD ONLY BE CARRIED OUT BY A LOEWE DEALER.

Only use Original accessories and spare parts from Loewe.

Supervision

Do not allow **children** to use the unit/TV set unsupervised. Do not allow children to play in the immediate vicinity of the unit/TV set. Do not operate your **BluTechVision 3D** without supervision. Please disconnect from the mains if you are going to be away for a long time.

Cleaning

Only clean your unit with a slightly damp, soft, clean cloth (without any aggressive or scouring cleaning agents).

About these operating instructions

The information in this guide refers to the Loewe product **BluTechVision 3D**.

Unless stated otherwise, the instructions refer to the operating elements on the **Assist** remote control.

Paragraphs beginning with the ➠ symbol indicate important hints, tips or conditions for perfect operation.

Terms which you will find in the menu or printed on the unit are printed in **bold type**.

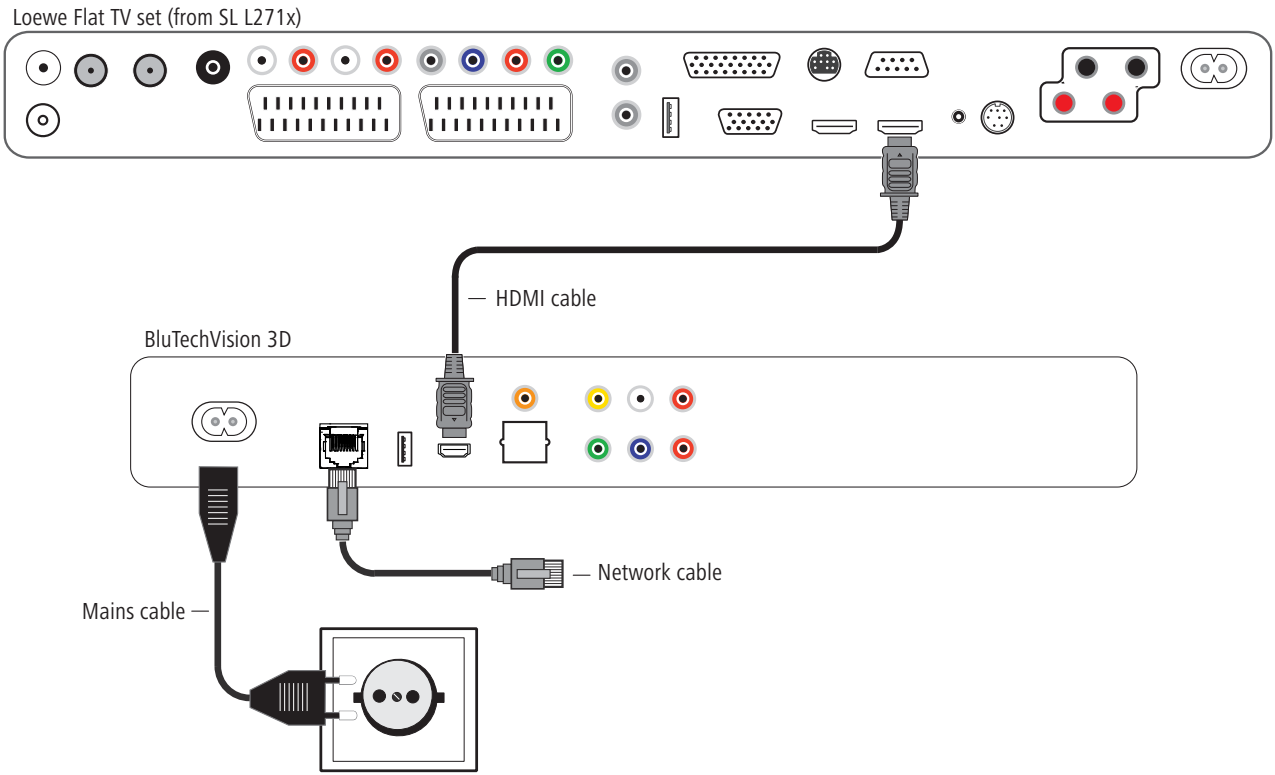
In the functional descriptions, the necessary operating elements are arranged to the left of the text containing the handling instructions.

The diagrams in these operating instructions are only by way of example. This may vary from the actual display you see.

Cabling BluTechVision 3D (from chassis L271x/SLxx)

Use the HDMI cable supplied to connect the socket **HDMI OUT** on the **BluTechVision 3D** with the socket **HDMI IN** on your TV set.
Using an optional RJ-45 network cable of the **BluTechVision 3D** to a network connection (e.g. Switch or DSL Router) with a connection to the internet.
Plug the small connector on the mains cable into the socket behind the unit (page 6) and then plug in the large connector on the mains cable into a 220-240V 50/60 Hz mains socket.

➠ It is possible that your Loewe TV set may need a software update. Please contact your specialist retailer.



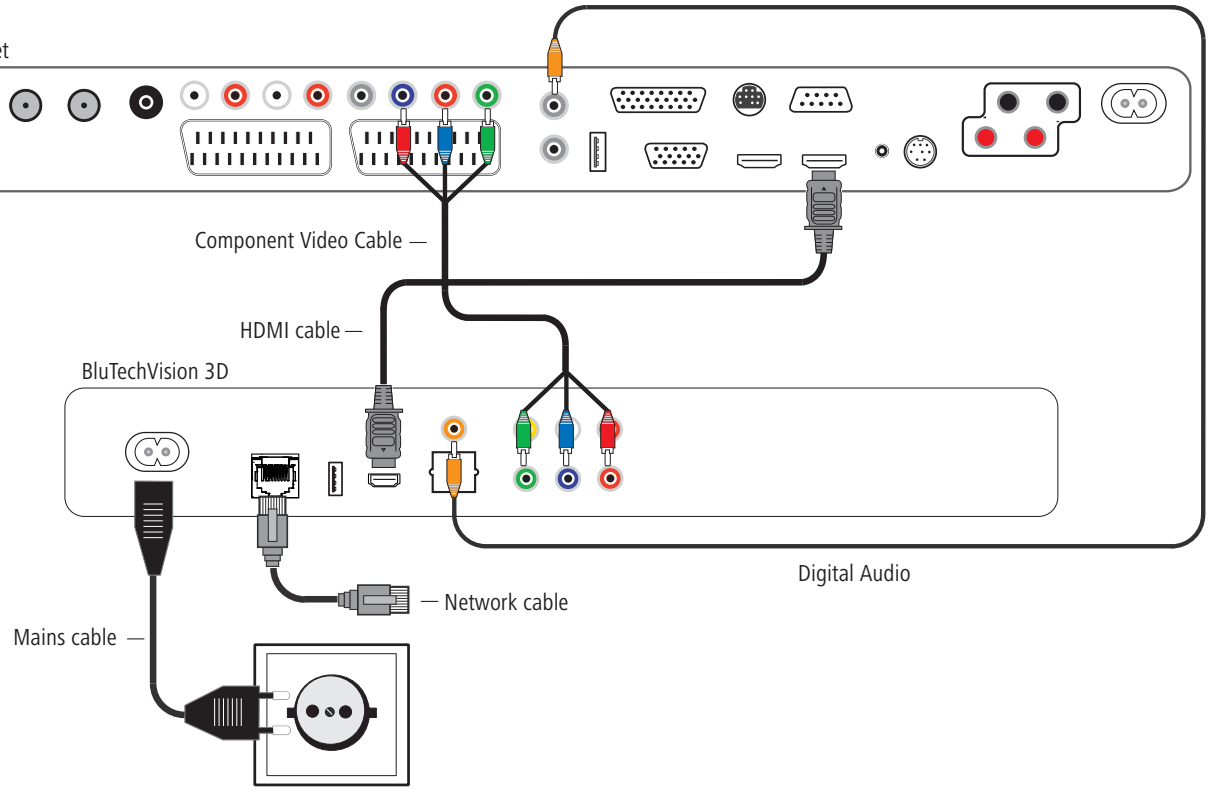
Cabling BluTechVision 3D (other TV-/audio devices)

Use the HDMI cable supplied to connect the socket **HDMI OUT** on the **BluTechVision 3D** with the socket **HDMI IN** on your TV set.
If your TV set does not have an HDMI IN socket, use three video-capable cinch cables to connect the three **COMPONENT VIDEO OUT** of the **BluTechVision 3D** with three video-suitable Cinch cables with the **COMPONENT IN** sockets on your TV set. You can also make a connection to a TV set using a video-compatible cinch cable via the **VIDEO OUT** socket.
Using an optional RJ-45 network cable of the **BluTechVision 3D** to a network connection (e.g. Switch or DSL Router) with a connection to the internet.

In order to play the audio from the **BluTechVision 3D** using your TV set (without HDMI) or your audio equipment, you need to make an audio connection between the audio equipment and the **BluTechVision 3D**. It is preferable to use an optional, digitally compatible audio cinch cable and to connect it to the **DIGITAL AUDIO OUT COAXIAL** socket.If your audio equipment has an optical digital input (TOSLINK), you can also make the connection with an optional fibre-optic cable using the socket **DIGITAL AUDIO OUT OPTICAL**.

Alternatively, you can feed your audio equipment with the stereo audio signal from the **BluTechVision 3D** using an optional stereo cinch cable with the sockets **2CH AUDIO OUT** on your **BluTechVision 3D**.

Plug the small connector on the mains cable into the socket behind the unit (page 6) and then plug in the large connector on the mains cable into a 220-240V 50/60 Hz mains socket.



Installation of the Assist Remote Control

To insert or change the batteries, press where the arrow is embossed on the casing. While doing so, simply slide the battery compartment lid down and remove it. Insert alkaline manganese batteries LR 03 (AAA) and ensure the correct position of + and –. Slide the cover on again from the bottom.

Setting up the Assist Remote Control

Other Devices

You can operate various Loewe devices using the **Assist** Remote Control. The device buttons **REC** - **DVD** - **AUDIO** can be set up for this.

DVD ■ Press the required device buttons and the Stop button simultaneously for 5 sec. until the corresponding LED display flashes twice.

Then select the two-digit device code from the table:

Unit	Code	Factory Set
Loewe ViewVision 8106 H	10	
Loewe ViewVision, Centros 21x2	12	
Loewe ViewVision DR+ DVB-T	13	**REC**
Loewe Auro 2216 PS/8116 DT	14	
Loewe BlutechVision	15	
Loewe Sound Projector	17	
Loewe TV Radio digital	19	**AUDIO**
Loewe Mediacenter	20	
Loewe BluTechVision 3D	21	**DVD**
HDMI CEC Mode ✱✱	22	
Loewe AudioVision	24	
Loewe Sound Projector SL	25	
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The corresponding LED Display flashes twice.

Sound functions

It is possible to set the devices with which the buttons with the sound functions (**V+/-**, **Mute** and **sound mode**) should work.

TV 3 def Press the device button **TV** and, at the same time, the button with the single digit function code from the list, for 5 sec. until the LED Display flashes twice.

Function	Code	Figure
Loewe AudioVision	3	Page 11
Loewe Mediacenter	4	
Loewe TV ✱	5	Page 10
Loewe Sound Projector	6	

✱Factory settings

✱✱ From mainframe L271x, Software ≥ V9.16

Operating Loewe Equipment

Using the remote control for a Loewe TV set

TV Press **TV** button; the LED Display above it lights up for approx. 5 seconds

Using the remote control for a Loewe recorder

REC Press the **REC** button; the LED Display above it lights up for approx. 5 seconds

Use the remote control for BluTechVision 3D

DVD Press the **DVD** button; the LED Display above it lights up for approx. 5 seconds

Using the remote control for AudioVision

AUDIO Press the **AUDIO** button; the LED Display above it lights up for approx. 5 seconds

Every time a button is pressed, the LED display lights up for the selected operating mode for checking purposes (**TV** – **REC** – **DVD** – **AUDIO**).
Please refer to the respective operating conditions on how to operate the individual devices.

Connecting to the Mains Supply

Plug the mains plug (page 6) into a mains socket 220-240V/50-60 Hz.

Switching on/off

DVD

Set the remote control for **BluTechVision 3D** operation by briefly pressing the button **DVD**.

Your **BluTechVision 3D** switches on. If you have connected a Loewe TV set (from L271x/SL 1xx) via HDMI, then this will switch on as well. Otherwise, switch your TV set on and set the respective AV programme slot.

➠ For your TV set you may have to adjust operation of **BluTechVision 3D** to suit the AV socket used (look under e.g. "Operating other devices" in the respective operating instructions for your TV set.

As soon as **BluTechVision 3D** is ready to go, the green **Operating Display** (page 6) lights up.

To switch the device off, press the On/Off button on the **BluTechVision 3D** or on the remote control **Assist** again.

Digital Link HD

With Digital Link HD, Loewe TV sets and other TV sets supporting the CEC standard forward the signals from the remote control via the HDMI connection from the TV set to the **BluTechVision 3D**.

➠ The TV set must be switched on.

0 AV

On the TV set, select the AV programme slot for HDMI.

As long as HDMI is selected as the programme slot, most TV remote control commands (**ASSIST** in TV mode) will be passed on to the connected HDMI unit. Volume, sound on/off, sound adjustment and TV aspect ratio however, still affect operation of the TV set. The AUDIO commands (**ASSIST** in AUDIO mode) are not passed on by the TV.

By pressing the **TV button** for a long time, you can switch between HDMI and TV operation. Pressing the **TV button** briefly switches back to TV mode.

TV

With the **TV button** (press briefly), in TV operation you switch back to the last station watched and terminate the device control.

➠ It is possible that your Loewe TV set may need a software update. Please contact your specialist retailer.

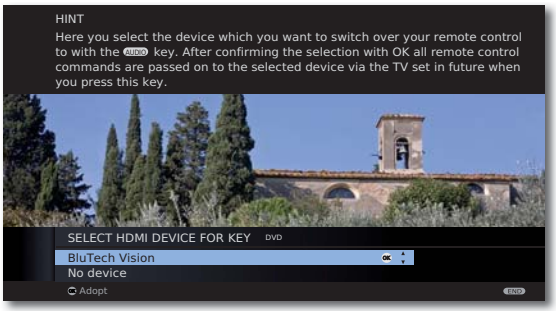
Digital Link HD (HDMI CEC)

With Digital Link HD, Loewe TV sets (from Mainframe L271x, Software ≥ V9.2) pass the signals from the remote control via the HDMI connection from the Loewe TV set to compatible additional devices, such as **BluTechVision 3D**. Digital Link HD makes sense if you want to set up **BluTechVision 3D** in a concealed location and all the devices are to be controlled via the Loewe TV set.

First of all, assign the HDMI CEC function for the **Assist** remote control to the desired device button (e.g. DVD) using Code 22 as described on page 12.

Then carry out the allocation of the Digital Link HD function to the HDMI interface of the TV set used by pressing the button set above (e.g. DVD) for 5 sec.

A selection menu will appear.


HINT
Here you select the device which you want to switch over your remote control to with the AUDIO key. After confirming the selection with OK all remote control commands are passed on to the selected device via the TV set in future when you press this key.
SELECT HDMI DEVICE FOR KEY DVD
BluTech Vision
No device
Adopt
END

▲ ▼ Select the desired equipment (e.g. **BluTechVision**).

Confirm **OK**.

Now, the signals from the **Assist** remote control of the Loewe TV set are transmitted to the **BlueTechVision 3D** if the relevant device button (e.g. DVD) is pressed beforehand.

➠ It is possible that your Loewe TV set may need a software update. Please contact your specialist retailer.

Navigation in the Menu

In these operating instructions, the arrow buttons on the **Assist** Remote Control are shown as follows:

In the text, the arrows correspond to: "▲ ▼ ◀ ▶".

The OK button on the remote control is shown as **OK** in the text.

MENU Call up the **Setup** menu.

▲ ▼ ▶ Select the desired option.

◀ Move Back in the menu.

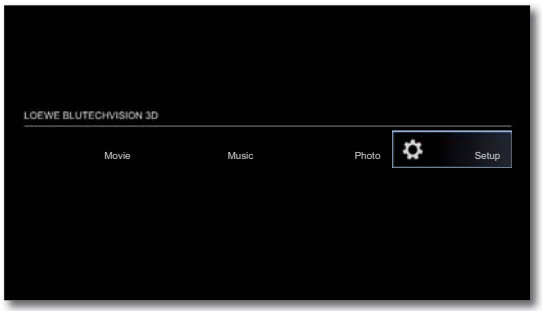
END Close the menu.

Confirm **OK**.

Home Menu

The Home Menu of the **BluTechVision 3D** is shown on the screen of the TV set connected to it. Here you can select the desired functions.

ASSIST Call up Home Menu.



◀ ▶ Select the desired function.

Confirm **OK**.

Movie Display of Film menu (page 31) for playback of video files or the disc menu

Photo Display of the **Photo** menu (page 34) for photo file playback

Music Display of **Music** menu (page 33) for playback of audio files

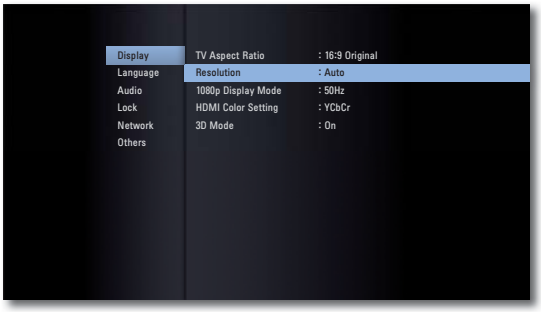
Setup Display of **Setup** menu (page 14) to make settings

➠ In order to call up the Home Menu it may be necessary to close other open menus with END.

➠ The **Movie**, **Photo** and **Music** menus can be selected when a corresponding medium is available.

Setup Menu

In the **Setup** Menu you can carry out any settings and adaptations of your TV set, for example.



MENU Call up the **Setup** menu.

▲ ▼ Select desired category.

▶ ▲ ▼ Select the desired sub-category.

▲ ▼ Make the desired setting.

Confirm **OK**.

END Close the menu.

➠ If the blue bar for menu selection appears at the first level (left), you will see the current settings in the overview at the third level (right).

Language Menu

Your **BluTechVision 3D** attempts to set the menu language automatically over the HDMI-CEC connection to the same language as that of the Loewe TV set. You can also set the desired menu language manually.

MENU Call up the **Setup** menu.

OK ▲ ▼ Select **Language** option.

▶ ▲ ▼ Select the **Display Menu** option.

▲ ▼ Select required language.

Confirm **OK**.

END Close the menu.

Disc Languages

Select a language for the menu, the sound and the subtitles of the disc. If you want to use a language other than the "original" version of the disc, then select it here if it is available on the disc.

▶ ▲ ▼ Select option **Disc Menu, Disc Audio** or **Disc Subtitles**.

▲ ▼ ▶ Select the desired option.

Off Switch off Subtitles on Disc

Original The original language of the disc is selected.

Other Select another language (page 38).

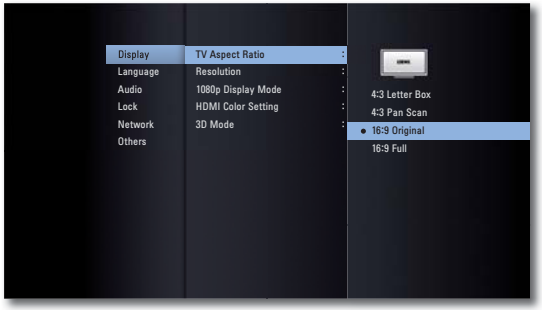
Confirm **OK**.

END Close the menu.

Menu Display

In the menu **DISPLAY** you can set the screen view of your **BluTechVision 3D** on your TV set.

➠ These settings are automatically imported when the HDMI socket is used.



MENU Call the **Setup** menu.

▲ ▼ Select option **DISPLAY**.

TV Aspect Ratio

▶ ▲ ▼ Select option **TV Aspect Ratio**.

4:3 Letter Box Select this setting if a standard TV unit with 4:3 TV Aspect Ratio is connected. In the wide screen aspect ratio, the picture appears with a black bar at the top and at the bottom of the screen

4:3 Pan Scan Select this setting if a standard TV unit with 4:3 TV Aspect Ratio is connected. The picture fills the complete screen and, if required, the areas on both sides are cut off

16:9 Original Select this setting if a wide-screen TV unit with 16:9 TV Aspect Ratio is connected. The 4:3 picture is displayed in the original TV aspect ratio with black strips on the left and right edges of the picture.

16:9 Full Select this setting if a wide-screen TV unit with 16:9 TV Aspect Ratio is connected. The 4:3 picture is stretched horizontally (with the same side ratio) in order to fill the entire screen.

Confirm **OK**.

END Close the menu.

Resolution

You can set the resolution of the video signal at the socket **HDMI OUT** and **COMPONENT VIDEO OUT**.

▶ ▲ ▼ Select **Resolution** option.

Auto Recordings in wide-screen format appear with black bars at the top and bottom of the screen

576i Output in 576 lines Interlaced Mode (Component only)

576p Output in 576 lines Progressive Mode

720p Output in 720 lines Progressive Mode

1080i Output in 1080 lines Interlaced Mode

1080p Output in 1080 lines Progressive Mode

1080p Display Mode

Select the option **24Hz** in order to show movies smoothly on HDMI compatible TV sets with 1080 lines at 24Hz picture frequency.

▶ ▲ ▼ Select the option **1080p Display Mode**.

24HZ 24Hz picture frequency for cinema movies

50Hz 50Hz picture frequency for TV movies

➠ At the **24Hz** frequency, picture faults can arise when changing between video and film material. In this case you should set to **50Hz**.

➠ Even if the option **1080p Display Mode** is set to **24Hz**, the actual picture frequency of the video output is set to 50 Hz or 60 Hz, depending on the format of the video source, if your TV set does not support the 1080/24p resolution.

HDMI Colour Adjustment

Select the video output signal depending on which video output socket you use (page 11).

▶ ▲ ▼ Select the option **HDMI Color Setting**.

YCbCr Select this setting when using the **COMPONENT VIDEO OUT** sockets

RGB Select this setting when using the **HDMI OUT** sockets

3D Mode

You can switch the 3D-depiction on or off.

▶ ▲ ▼ Select the option **3D Mode**.

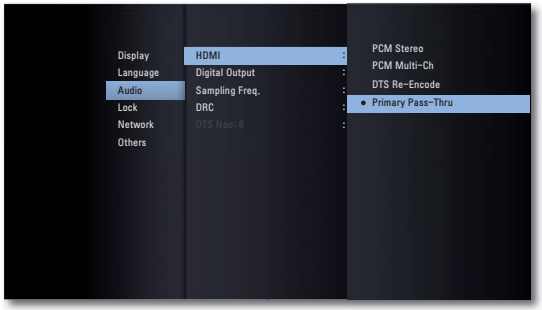
On When a 3D-capable TV-set is connected to **HDMI-OUT**, 3D content can be played

Off When playing, Blu-ray™ 3D media are replayed in 2D

Menu Audio

In the **AUDIO** menu you can make various sound settings.

➠ These settings are automatically imported when the HDMI socket is used.



MENU

OK

Call up the **Setup** menu.

▲ ▼ Select option **AUDIO**.

HDMI/digital output

The digital audio signal, which is outputted from the **HDMI OUT** or **DIGITAL AUDIO OUT - COAXIAL/OPTICAL** (SPDIF) socket (page 6), can be adjusted.

PCM Stereo Select this option if a unit with a twin channel stereo amplifier is connected to the **BluTechVision 3D**

PCM Multi-Ch Select this option if a unit with a digital multi-channel decoder is connected to the **BluTechVision 3D** (HDMI only)

DTS Re-Encode Select this option if a unit with a DTS decoder is connected to the **BluTechVision 3D**

Primary Pass-Thru Select this option if a unit with a Dolby Digital Plus, Dolby True HD, DTS or DTS HD decoder is connected to the **BluTechVision 3D**.

➠ If the option **HDMI** is set to **PCM Multi-Ch**, the audio may, under certain circumstances, be outputted as PCM stereo audio if the PCM Multi-Ch information cannot be obtained from the HDMI unit.

Sampling Freq.

If you use the socket **DIGITAL AUDIO OUT - COAXIAL/OPTICAL** (SPDIF), you can set the sampling frequency.

48KHz Select this option if your connected unit cannot process 192 KHz or 96 KHz signals. In this selection, your BluTechVision 3D automatically converts 192 KHz and 96 KHz signals into 48 KHz signals.

96KHz Select this option if your connected unit cannot process 192 KHz signals. In this selection, your BluTechVision 3D automatically converts 192 KHz signals into 96 KHz signals.

192KHz Select this option if your connected unit can process 192 KHz signals.

DRC (Night Mode)

With the setting Function DRC, you can limit the dynamics (i.e., the difference between the loudest and the softest sounds). In this manner, you can play a film even with minor loudness differences (e.g. in the night).

Auto Select this option if you wish to play audio signals with the coding Dolby True HD with reduced dynamics

Off Audio signals are replayed with the full scope of dynamics

On Select this option if you wish to play audio signals with the coding Dolby Digital or Dolby Digital Plus with reduced dynamics

DTS Neo: 6

If the device is connected with an AV-receiver via **HDMI-OUT**, 2-channel audio signals can be replayed in multi-channel surround quality.

Off Stereo replay through front speakers

Music Select this option if you wish to play stereo music in multi-channel quality

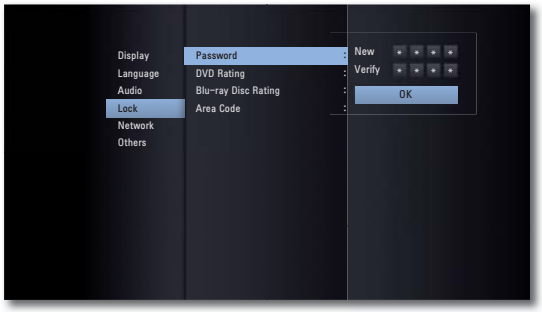
Cinema Select this option if you wish to play a film in multi-channel quality

➠ For this function, only audio signals with a sampling frequency of up to 48 kHz are possible.

➠ This function is only available if the option **Audio** - **HDMI** is set on **PCM Multi-Ch**.

Menu Lock

In the **LOCK** menu you can set playback limitations.



MENU Call the **Setup** menu.

▲ ▼ Select the **LOCK** option.

Setting up a Password

Please set your personal password.

▶ ▲ ▼ ◀ Select option **Password**.

▶ Select option **New**.

Enter a four digit password using numeric keypad.

Confirmation of the new password.

Confirm **OK**.

➠ If entry is incorrect, before pressing **OK**, press ◀ repeatedly to delete the numbers.

Reset password

If you have forgotten your password or wish to disable the password function, you can reset it.

➠ Remove all media (Disc, USB) and close all menus.

MENU Call the **Setup** menu.

▲ ▼ Select the **LOCK** option.

▶ Select option **Password**.

Using the numeric keys, input the key number (page 37).

Password protection is now disabled. If required set up a new password, as described in "Set up password".

Start-up

DVD-Rating

This function limits play of DVDs that have an adult rating, providing the discs have a corresponding code. For full play you are asked to enter the password.

▸ ▲ ▼ ◂ Select option **DVD Rating**.

▸ Press button.

Use number buttons to enter the current four-digit Password.

Confirm **OK**.

▲ ▼ Select the desired option.

Unlock The disc is played completely

Rating 1 to 8 Only the scenes of the disc inserted are played which comply with the assigned security level or with a security level below this. Level "1" has the most play restrictions.

➠ Not all discs have a rating.

Blu-ray Disc Rating

This function limits playback of Blu-Ray discs™ that have an adult rating, providing the discs have a corresponding code. For full play you are asked to enter the password.

▸ ▲ ▼ ◂ Select option **Blu-ray Disc Rating**.

▸ Press button.

Use number buttons to enter the current four-digit Password.

Confirm **OK**.

Enter the three-digit code for adult rating release using the number buttons (this code can be found on the Blu-Ray disc ™ or on the accompanying material).

Confirm **OK**.

255 The disc is played completely

0 to 254 Only the scenes on the inserted disc which comply with the assigned security level or with a security level below this are played. Code "0" has the most playback restrictions.

➠ Not all discs have a rating.

Area Code

To use playback limitations of the discs, enter the Area Code of the respective country (list see page 38).

▸ ▲ ▼ ◂ Select option **Area Code**.

▸ Press button.

Use number buttons to enter the current four-digit Password.

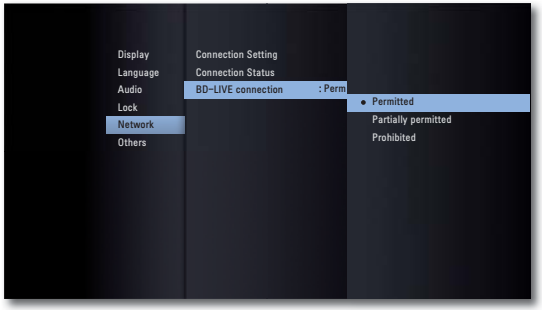
Confirm **OK**.

▲ ▼ Select the desired code.

Confirm **OK**.

Network Menu

Your **BluTechVision 3D** can be connected to a home network (LAN) with internet connection via the **LAN** connection on the back (page 10). This allows you to use the BD-LIVE™ service which provides you with optional information from the manufacturer of the Blu-Ray disc.
You can carry out the settings required for your home network in the **NETWORK** Menu.



Setting the network connection automatically

If you have DHCP server in your home network (e.g. a DSL Router), your **BluTechVision 3D** can carry out all network parameter settings automatically.

MENU Call up the **Setup** menu.

▲ ▼ Select option **Network**.

▶ ▲ ▼ Select option **Connection Setting**.

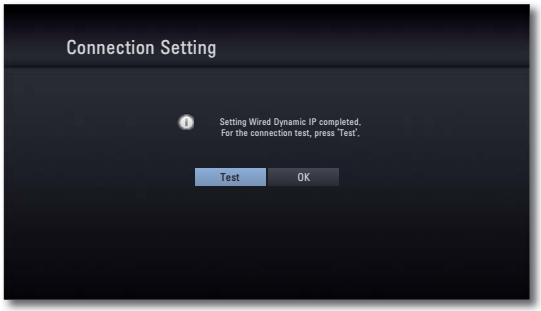
Confirm **OK**.

The menu **Connection Setting** appears.

Confirm **OK**.

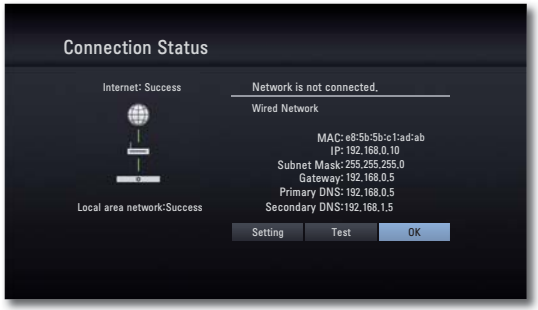
Your **BluTechVision 3D** now tries to create a connection to the internet router in your home network. In doing so, the standard setting shown above (IP Mode: Dynamic, DNS-Server: Auto) is used for the automatic search of the network parameters.

If a dynamic IP Address has been allocated, a corresponding message appears.



◀ ▶ Select **Test** option in order to carry out a connection test.

Confirm **OK**.



If the connection test is successful a corresponding message appears in the **Connection Status** Menu.

OK Close menu.
Test Repeat connection test
Setting Open Connection Settings menu

Connection Status Menu

You can have the current network parameters displayed.

MENU Call up the **Setup** menu.

▲ ▼ Select option **Network**.

▶ ▲ ▼ Select the option **Connection Status**.

Confirm **OK**.

The **Connection Status** Menu appears.

Setting the network connection manually

The network parameters can be permanently set manually (e.g. if there is no DHCP Server in your home network).

MENU — Call up the **Setup** menu.

OK — ▲ ▼ Select option **Network**.

▶ ▲ ▼ Select option **Connection Setting**.

Confirm **OK**.

The menu **Connection Setting** appears.

▲ ▼ ◀ ▶ Select the option **IP Mode: Static**.

Confirm **OK**.

▲ ▼ ◀ ▶ Enter **IP Address**, **Subnet Mask** and **Gateway** using the number keys on the Assist remote control.

▲ ▼ ◀ ▶ Select the option **DNS-Server: Manual**.

Confirm **OK**.

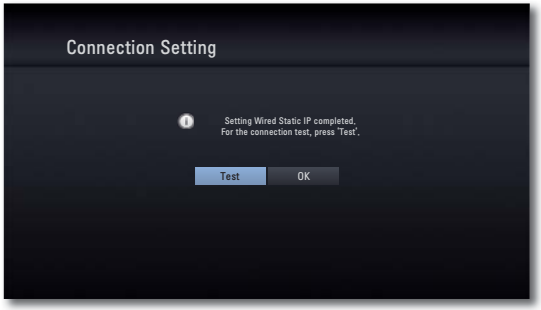
▲ ▼ ◀ ▶ Enter the **Primary** and, if necessary, the **Secondary DNS Server** address using the number keys on the Assist remote control.

▲ ▼ ◀ ▶ Select option **OK**.

Confirm **OK**.

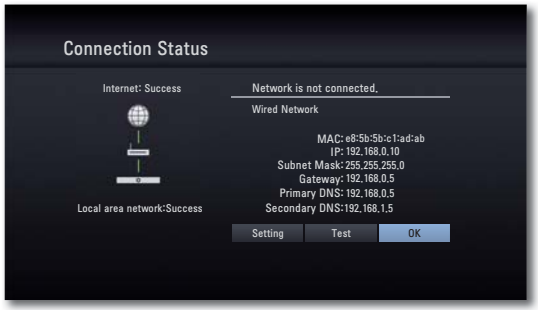
Your **BluTechVision 3D** now tries to create a connection to the internet router in your home network using the set parameters.

A corresponding message appears that a permanent IP Address has been allocated.



◀ ▶ Select **Test** option in order to carry out a connection test.

Confirm **OK**.



If the connection test is successful a corresponding message appears in the **Connection Status** Menu.

OK Close menu.
Test Repeat connection test
Setting Open **Connection Settings** menu

BD-LIVE™Connection

You can find out whether your **BluTechVision 3D** is allowed to create an internet connection to the **BD-LIVE™** service (page 30).

MENU — Call the **Setup** menu.

OK — ▲ ▼ Select option **Network**.

▶ ▲ ▼ Select option **BD-LIVE™ Connection**.

Confirm **OK**.

Permitted **BD-LIVE™** is allowed for all content
Partially permitted **BD-LIVE™** is only allowed for content for which a user certificate is available.
Prohibited **BD-LIVE™** is blocked

Menu Others

Blu-ray Disc Storage Select

You can choose whether to integrate in the unit or or to use an external memory for the BD-LIVE-Function, connected to the USB plug socket.

MENU Call up the **Setup** menu.

▲ ▼ Select option **Others**.

▶ ▲ ▼ Select option **Blu-ray Disc Storage Select**.

Built-In Storage Memory integrated in unit

USB Storage Memory connected to the USB socket of the unit

Confirm **OK**.

Blu-ray Disc Storage Clear

You can delete the memory used for the BD-LIVE function (page 30) to make room for new files.

MENU Call up the **Setup** menu.

▲ ▼ Select option **Others**.

▶ ▲ ▼ Select option **Blu-ray Disc Storage Clear**.

Confirm **OK**.

Built-In Storage Memory integrated in unit

USB Storage Memory connected to the USB socket of the unit

◀ ▶ Confirm the safety message with **Yes**.

Confirm **OK**.

DivX® VOD

You receive the DivX® VOD (Video On Demand) registration recognition to borrow and buy movies using the DivX® VOD service.

MENU Call the **Setup** menu.

▲ ▼ Select option **Others**.

▶ ▲ ▼ Select option **DivX® VOD**.

Register The registration code valid for your device is shown. You can register for the VOD Service on the internet at http://vod.divx.com. Here you can also get more information concerning use.

Deregister The de-activation code valid for your device is shown.

Confirm **OK**.

➠ All movies obtained from DivX® VOD can only be played back on this device.

Saving energy

To be able to save energy, the device should be set in such a way that after some time without playing, it automatically switches itself off.

MENU Call up the **Setup** menu.

▲ ▼ Select option **Others**.

▶ ▲ ▼ Select option **Auto Power Off**.

Off The unit remains switched on, even having not been used for an extended period

On After 30 minutes without function, the unit automatically switches off into standby mode

Confirm **OK**.

Initialize

You can reset the device to the factory settings.

MENU Call up the **Setup** menu.

▲ ▼ Select option **Others**.

▶ ▲ ▼ Select option **Initialize**.

Confirm **OK**.

◀ ▶ Confirm the safety message with **Yes**.

Confirm **OK**.

Updating Software

Display software version status

Call up the **Setup** menu.

▲ ▼ Select option **Others**.

▶ ▲ ▼ Select option **Software**.

▶ ▲ ▼ Select option **Information**.

Confirm **OK**.

An information page is displayed.

You can see the current software version of the device to the right of the entries **MAIN VER** and **SERVO VER**.

Confirm **OK**.

Download new software

You can download a software update suitable for your device from the Loewe Support Portal.

- In the Internet browser of your computer, enter the address: http://support.loewe.tv
- If you still do not have independent access to the Loewe Support Portal, set it up now. Click Register now. Fill out the information for your account and then click on Create account. Please check whether all data is correct and then click on Create account now. Shortly thereafter, you receive an email at the address already specified. Click on the link given above to confirm your registration. On successful registration, you receive an email for confirmation.
- Enter **your Email address** and a **Password** under **Access to your account**.
- Click on **Register Loewe product - System BluTechVision 3d** and enter the data requested for your **device**.

Download the file displayed in the area **Software**.
Unpack the downloaded file (e.g. with 7-zip) and copy the two unpacked files to a USB stick.

➠ The file system of the USB stick must be formatted in FAT32 and there must not be any partition present. Other file systems are not supported by the player.

Update device software

Switch on your **BluTechVision 3D** (and the TV set connected to it).

Remove one inserted disc.

Call up the main menu.

Insert the USB stick with the two update files in the USB socket of the **BluTechVision 3D** and wait till the device has recognised the USB stick.

Call up the **Setup** menu.

▲ ▼ Select option **Others**.

▶ ▲ ▼ Select option **Software**.

▶ ▲ ▼ Select option **Update**.

Confirm **OK**.

The software found on the USB stick is checked and the message is displayed. If the software is newer than that installed on the device, you can start the update.

◀ ▶ For confirming the precautionary query, select **Yes**.

Confirm **OK**.

The updating process starts and you will see a progress bar.

➠ The USB stick or the mains cable must not, under any circumstances, be removed from the device during the updating process!

Upon successful completion of the updating process, switch off the appliance and switch it on again after 20 seconds.

➠ The firmware-update is intended exclusively for the Loewe **BluTechVision 3D**, item No. 51501.

➠ Use only the software that has been cleared by Loewe for your device!

➠ The model designation can be found on the rear side of the appliance.

➠ If any software from Loewe or another brand is loaded into any other appliance and that software is not intended for use with that appliance, damage may result. Any warranty entitlements and return entitlements in respect of the appliance will be rendered null and void as a result.

➠ The firmware update will not cause any significant changes in the technical functions of the appliance.

➠ You can download the latest version of the operating instructions as a PDF file from the Loewe Website: http://support.loewe.tv – User guide library. This is particularly recommended after a software update.

Playback of Discs

Conditions

If you have carried out the relevant steps as described in the Chapters “Setup”, “Connecting“ and “Start-up“, switch your **BluTechVision 3D** and the devices connected to it on. For playing 3D content, you need a 3D-capable TV set with compatible 3D glasses, as well as Blu-ray 3D™ media.

Playable Discs

Only use discs that comply with the standards. This can be ascertained from the logos applied.

Disc Type		Recording Format	Contents	Disc Size
Blu-ray™/ Blu-ray 3D™	Regional Code B / ALL	Video Mode	Audio + Video (Film)	12 cm (5”)
BD-RE/BD-R *		-		
DVD Video	Regional Code 2 / ALL	Video Mode	Audio + Video (Film)	12 cm (5”)
DVD±RW/DVD±R *		Video Mode	Audio + Video (Film)	12 cm (5”)
Audio CD *		Audio CD (CD-DA)	Audio	12 cm (5”)
CD-RW/CD-R *		Audio CD (CD-DA)	Audio	

* only finalised discs

Regional code (Area Code)

The regional code of this player is printed on the back of the equipment. Only Blu-ray™ or DVD discs with this code or with the regional code "ALL" can be played back. The regional code on the labels of many DVDs shows which type of DVD player can play back these discs. If you play back other discs, an error message will appear on the TV screen. On some discs, the label with the regional code is missing, even though the disc cannot be played back in all regions.

Symbols in these operating instructions

BD Blu-ray Disc™
DVD-V DVD Video Disc
CD Audio CD
DivX DivX files
MP3 MP3 files
WMA WMA files
JPEG JPEG files

Handling Discs

Do not touch the recorded side of the disc. Hold the disc by the edges to avoid touching the surface with your fingers. Do not apply any paper or sticky tape to either side of the disc.

- Discs cannot be played back if the disc is damaged or dirty or if the lens of the player is contaminated with condensation.
- If you write a disc with a PC, it may not be possible to play back the disc, even though its format is compatible, possibly because of the settings in the application software used to burn it. (You can get further information on this from the software provider).
- Depending on the recording device or the CD-R/RW (or DVD±R/±RW) disc itself, some CD-R/RW- (or DVD±R/±RW) discs can not be played back with this device.
- Do not use any unusually shaped CDs (e.g. heart-shaped or octagonal). Otherwise malfunction or damage can not be ruled out.
- Fingerprints and scratches on the disc can impair play. Take care of the discs.

Inserting Discs

The disc drawer of your **BluTechVision 3D** is located behind the front flap (page 6). Press the ⏏ button on the device to open the disc drawer Place the disc in this drawer. The printed side of the disc faces upwards. Press the ⏏ button again to close the disc drawer.

Ejecting the Disc

Press the ⏏ button again to remove the disc.

Playback of Discs

Playback in General

Your **BluTechVision 3D** tries to read the disc. The Display shows **READ**.

Depending on the medium, playback starts automatically or a disc menu is displayed. Follow the instructions on the screen or follow the documentation with the disc.

▲ ▼ ◀ ▶ Select title.

OK Start play.

Play Start / continue playback.

Pause Stop play.

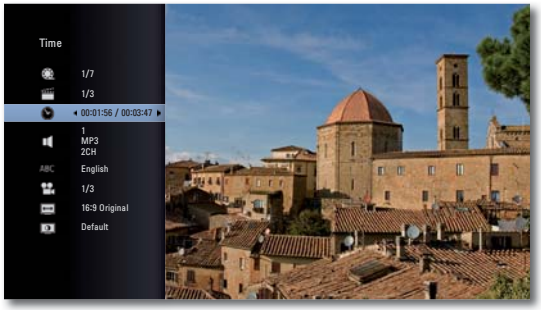
Press briefly: next chapter.

Press briefly: beginning of chapter.

Press 2x briefly: previous chapter.

Stop End 2x playback.

INFO Display title menu.



In the title menu you can - providing the disc currently being played back supports this - set a selection of options, such as Title / Chapter selection or Subtitles (page 26).

▲ ▼ Select option.

◀ ▶ Set option.

Confirm **OK**.

If the parental control rating for the disc is higher the movie rating, then the four-digit password has to be entered (refer to **Rating** on page 19).

Search

BD DVD-V DivX CD

Select the search direction and speed:

Keep pressed: Rewind. Repeated pressing increases the reverse playback speed.

Keep pressed: Fast forward. Repeated pressing increases the forward playback speed.

Speed and direction are indicated as arrows.

Close search mode and continue playback.

Freeze Frame and Frame by Frame Playback

BD DVD-V DivX

Pause Stop play.

Pause press again: scroll forward picture-wise.

Continue playback

Slow motion

BD DVD-V DivX

Pause: Stop play.

Keep pressed for a long time: Switch on slow-motion replay during the pause.

Select the slow-motion speed:

1/16, 1/8, 1/4, 1/2 (forwards).

Close Slow-motion mode and continue playback.

Repeat

BD DVD-V CD MP3

EPG Press several times to select type of playback.

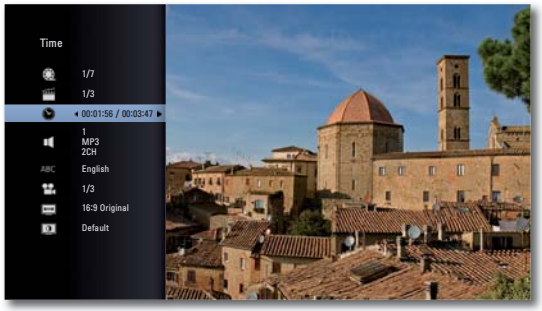
Random sequence of playback
A–B Repeats the selected range (page 28)
Chapter Repeats the current Chapter
Title Repeats the current Title
1 Repeats the current track
All Repeats all titles/tracks on the disc
Off **No Repeat**

Playback of Discs

Disc Playback

You can display various information about the inserted disc on the screen and set options for playing.

INFO Call up the title menu during the playback.



▲ ▼ Select the desired function.

Title	Current title (or track number)/Total number of titles
Chapter	Current Chapter number/Total number of Chapters
Time	Playback time that has elapsed, go to time with **OK**
Audio	Selected sound formats, film language and audio channels
Subtitle	Selected Subtitles
Angle	Selected camera angle / total number of camera angles
TV Aspect Ratio	Selected,TV aspect ratio (e.g. aspect ratio 16:9)
Picture Mode	Selected picture node (e.g. optional color setting - page 29)

Selecting a Title

BD DVD-V DivX

INFO Call up the title menu.

▲ ▼ Select **Title** .

◀ ▶ Select title number.

OK Start of the playback of the selected title.

Selecting a Title

CD DivX MP3 JPEG

P+ during playback, to select the next title/ next photo or **P-** to return to the beginning of the current title.

Press **P-** twice briefly to return to the previous title.

Select Chapter / Track

BD DVD-V DivX

If a title has several Chapters/Tracks, you can select another Chapter/another Track as follows:

P+ or **P-** during playback, to select the next Chapter/ the next Track or to return to the beginning of the current Chapter/Track.

Press **P-** twice briefly to return to the previous Chapter/Track.

Time (playback from ...)

BD DVD-V DivX

The function **Time** allows you to select any time for playback of a disc.

INFO Call up title menu.

In the field **Time** you are shown the elapsed playback time of the current disc.

▲ ▼ Select **Time** .

Enter the time in the format hh:mm:ss.

OK Start playback from a time you have entered.

Digital Sound Formats, Film Language and Audio Channels

BD DVD-V DivX

Here you can select the digital sound format in connection with the film language.

INFO Call up the title menu.

▲ ▼ Select **Audio** .

◀ ▶ Select another film language or sound format (BD, *DVD-V DivX)* - if available.

Playback of Discs

Subtitles

BD DVD-V DivX

INFO Call up the title menu.

▲ ▼ Select **Subtitle ABC**.

◀ ▶ Select the subtitle language - if available.

Angle

BD DVD-V

If the Disc includes scene which have been recorded from different angles, you can change to a different camera angle during playback.

INFO Call up the title menu.

▲ ▼ Select **Angle**.

◀ ▶ Select required camera angle - if available. The number of the current camera angle is shown.

➠ An angle mark symbol is shown on the screen during scenes which have been recorded from different camera angles.

TV Aspect Ratio

BD DVD-V DivX

INFO Call up the title menu.

▲ ▼ Select **TV Aspect Ratio**.

◀ ▶ Select - the TV aspect ratio - if available.

Picture Mode

BD DVD-V DivX

INFO Call up the title menu.

▲ ▼ Select **Picture Mode**.

◀ ▶ Select - Picture Mode (page 29) - if available.

Markers

BD DVD-V DivX

You can start the playback from a saved marker. A maximum of nine markers can be saved.

➠ The marks remain in the memory only during playback of the current medium.

Blue button Press briefly while playing: Set marker

Press for a longer time: Open display of markers.

◀ ▶ Rewind / Fast forward

▼, ◀ ▶ Select desired marker.

OK Start playback from a selected marker

or

Start playback from a desired marker.

Yellow Button Delete selected marker.

END Overlay close markers.

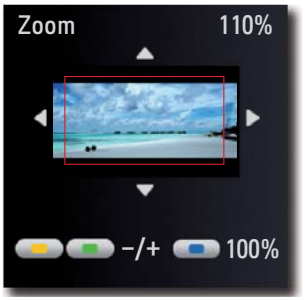
Playback of Discs

Zoom

BD DVD-V JPG

With the Zoom function you can increase the size of the video image and then navigate within the zoomed in picture during playback.

Overlay open Zoom.



Yellow Button zoom out

Green Button zoom in

Blue Button Normal depiction

◄ ► ▲ ▼ Move picture cut-out.

END Close zoom window.

➠ The zoom function may not work on certain discs.

Disc Menu

DVD-V

Video discs usually have their own menus.

TEXT Go to **Disc Menu**.

OK ▲ ▼ ◄ ► Select the desired option.

Confirm **OK**.

■ Close **Disc Menu** *DVD*.

Repeat Section (A-B)

BD DVD-V

EPG At the start of the section to be repeated, push the button several times until the symbol A– appears:

OK At the end of the section to be repeated, press **OK**.

EPG Press the button EPG several times till the symbol is displayed: Off

Last Scene Memory

BD DVD-V

Your **BluTechVision 3D** notes the last scene of the last disc (Blu-ray disc™, video DVD) played back. The position of the last scene is saved in the memory even if the disc is removed from the device or the device is switched off (or set to standby). When this disc is inserted again, the saved scene is automatically played back.

➠ Last Scene Memory function for a previous disc is erased once a different disc is played.

➠ This function may not work depending on the disc.

➠ On BD-Video discs with BD-J, the last scene memory function does not work.

➠ This unit does not memorize settings of a disc if you switch off the unit before commencing to play it.

Playback of Discs

Disc Menu

BD
Some discs contain menus to set the language for the film soundtrack, for example, or for subtitles, or to select certain scenes. Accompanying film material may also be available. These menus are individually designed, depending on the disc.

Popup-M Select Popup /Disc menu. Example:

➠ Depending on the disc, it is possible that there is no such menu. If so, this button has no function.

▲ ▼ ◀ ▶ Select menu item.

Confirm **OK**.

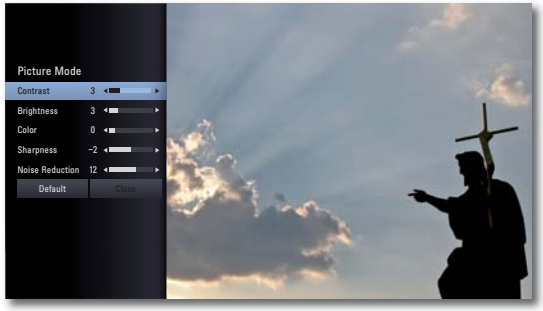
It may be possible to select menu functions with the color buttons.

POP-UP-M Pop-Up/Disc Menu end.

Picture Mode

You can carry out various different settings for the screen representation during playback.

PIP Call up **Picture Mode** menu.



▲ ▼ ◀ ▶ Selecting/setting options.

Contrast Setting the Dynamic Contrast
Brightness Setting image brightness
Color Setting colour saturation
Sharpness Setting contour sharpness of image
Noise Reduction Set noise suppression

PIP End the **Picture Mode**.

Playback of Discs

BD-LIVE™

Your **BluTechVision 3D** supports the **BD-LIVE™**-function (Blu-ray™ Profile 2.0). This allows you to access interactive content which is provided by certain Blu-ray disc™ suppliers via the internet.

Insert the Blu-ray disc™ with the **BD-LIVE™** function.

➠ The **BD-LIVE™** function requires a broadband internet connection. Set up the access to your home network as described from page 20 onwards.

➠ Activate the option that your **BluTechVision 3D** can create an online connection to the **BD-LIVE™** service (page 21).

➠ Make sure there is adequate storage space for the **BD-LIVE™** content by deleting the older temporarily stored data on the currently used **BD-LIVE™** storage (page 22). If the internal storage of your **BluTechVision 3D** is not adequate, you can also connect an external USB Storage medium with ≥ 1GB free storage space.

Select the **BD-LIVE™** function in the Disc Menu of the Blu-ray disc™.

The Player sets up an Internet connection to the content provider and displays a selection menu. These menus are designed individually, depending on the provider, and can contain the most varied functions and information, such as trailers, games, latest information etc.

▲ ▼ ◀ ▶ Select menu item.

Confirm **OK**.

It may be possible to select menu functions with the color buttons.

The selected media are loaded (this can take several minutes, depending on the speed of the internet connection) and then a request appears to start playback or the function.

➠ Do not remove the connected external USB Storage whilst data transmission is being carried out.

Stop 2x: Close **BD-LIVE™**.

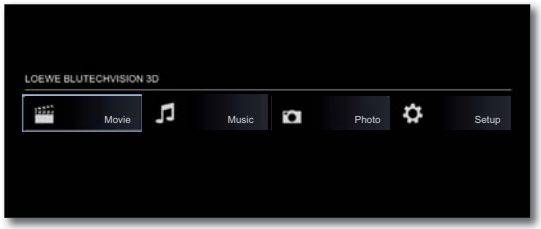
Playback of Media Files

With your **BluTechVision 3D,** you can playback digital media files which are saved on discs or on USB sticks.

Home Menu

ASSIST Call Home Menu.

In the Home Menu you can select the desired operating mode **Movie**, **Music** or **Photo** (page 14).



OK ◀ ▶ Select the desired operating mode.

Confirm **OK**.

If both a disc and a USB Storage are available, a selection menu appears.

OK ◀ ▶ Select desired medium.

Confirm **OK**.

Video Files

Playback of Video Files

ASSIST Call Home Menu.

OK ◀ ▶ Select the Option **Movie** in the Home Menu.

Confirm **OK**.

If both a disc and a USB Storage are available, a selection menu appears.

◀ ▶ Select desired medium.

Confirm **OK**.

▲ ▼ ◀ ▶ Select file or folder.

P+ or **P-** browse forwards/backwards.

OK Start playback or change to folder.

▶ **Play** Start / continue playback.

➠ For how to control playback of media files, see Chapter "Playback in General" (Page 25).

Playback of Media Files

DivX Subtitle

Select the Subtitles as described on page 26.

Green Button Select code table for DivX Subtitle by pushing several times.

Conditions for video files

- The maximum image resolution of the DivX file is smaller or equal to 1920 x 1080 (W x H) pixels.
- File name and path together less than 180 characters.
- Valid filename endings for videos are: ".avi", ".divx", "mpg", ".mpeg", "mp4", ".mkv".
- Playable subtitle formats SubRip (*.srt/*.txt), SAMI (*.smi), SubStation Alpha (*.ssa/*.txt), MicroDVD (*.sub/*.txt), SubViewer 2.0 (*.sub/*.txt), TMPlayer (.txt), DVD Subtitles (.txt).
- Playable video codecs "DivX3.xx", "DivX4.xx", "DivX5.xx", "DivX6.xx" (only standard playback), "Xvid.xx", "H.264/MPEG-4 AVC", "DIVX-HD", "MPEG1 SS", "MPEG2 PS", "MPEG2 TS".
- Playable Audio Codecs that can be played back "Dolby Digital" (AC3), "PCM", "MP3", "DTS (only at **DIGITAL AUDIO OUT**)", "WMA", "AAC".
- Polling frequency: MP3: 16 - 48 kHz, WMA: 32 - 48 kHz.
- Bit rates: MP3: 32 - 320 kbps, WMA: 20 - 320 kbps.
- If the video file and the subtitle file have different file names, then while playing back a DivX file, it is possible that no subtitles are shown.
- If the sound and video track are not synchronous, either sound or video is played.
- HD movie files that are contained on CDs or USB 1.x storage may not be played back perfectly since the bandwidth is too small for data transfer. Instead use Blu-ray™, DVD or USB 2.0 storage media.
- This device supports the H.264/MPEG-4 AVC - Main, High Level 4.1 profile. For media with a profile higher than this, a warning note is displayed.
- This device does not support the MPEG4/DivX6.xx functions GMC*1 (Global Motion Compensation) or Qpel*2 (Quarter pixel).

USB Operation

- You can connect a USB storage medium directly to the USB port.
- Only at the front USB socket (page 6), a USB hard disc can also be connected.
- The standard USB 1.1 and 2.0 is supported.
- The USB device may not be disconnected during a file transfer.
- Only the file systems FAT16, FAT32 and NTFS are supported.
- The maximum number of files and folders is ≤ 2000. The search can take longer than 1 minute.
- Devices that require an additional software installation to be connected to a computer are not supported.
- Other connection options than the USB connections mentioned above are not supported.

Playback of Media Files

Music Files

Playback of Music Files

ASSIST

Call up Home Menu.

◄ ► Select the Option **Music** in the Home Menu.

Confirm **OK**.

If both a disc and a USB Storage are available, a selection menu appears.

◄ ► Select desired medium.

Confirm **OK**.

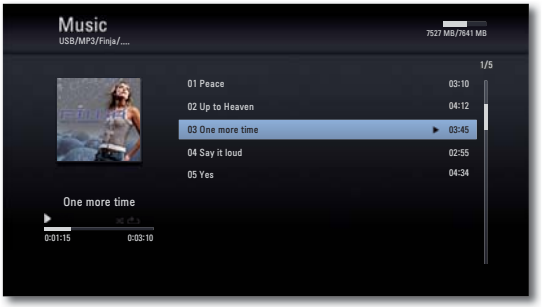
▲ ▼ ◄ ► Select file or folder.

P+ or **P-** browse forwards/backwards.

OK Start playback or change to folder.

Play Start / continue playback.

➠ For how to control playback of media files, see Chapter "Playback in General" (Page 25).



EPG

Select type of repeat.

Red Button Screen Off/On (from mainframe L271x, software ≥ V9.2 - if applicable a TV software update may be required).

Conditions for Music Files

- Sampling frequency between 11 - 48 kHz (MP3), between 8 - 48 kHz (WMA).
- Bit-rate: between 8 and 320kbps (MP3 and WMA).
- The maximum number of files and folders is ≤ 2000. The search can take longer than 1 minute.
- File extensions: ".mp3" / ".wma".
- CD/DVD/Blu-ray Disc™-Format: ISO9660 / JOLIET / UDF (Bridge).
- ID3 Tags are not supported.

Playback of Media Files

Photo Files

Playback of Photo Files

ASSIST Call up Home Menu.

OK ◄ ► Select the option **Photo**.

Confirm **OK**.

If both a disc and a USB Storage are available, a selection menu appears.

◄ ► Select desired medium.

Confirm **OK**.

▲ ▼ ◄ ► Select file or folder.

OK Display photo or change to folder.

Slide show

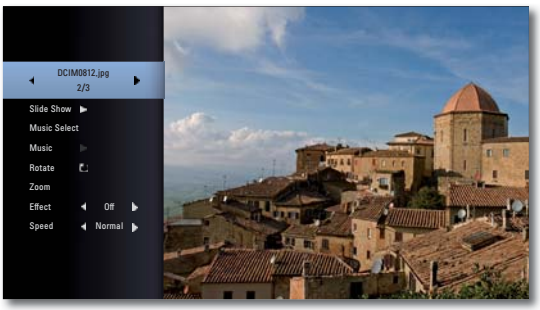
You can play your photo files automatically as a slide show.

▶ **Play** Start/continue slide show.

II **Pause** Stop slide show.

■ **Stop** Slide show/Photo display/Zoom mode.

INFO Fade/overlay info menu.



OK ▲ ▼ ◄ ► Selecting/setting options.

Uppermost line	Select photo with ◄ ►
Slide show	Slide show Pause/Play with **OK**
Music Select	Select music or slide show
Music	Music Pause/Play with **OK**
Rotate	Rotate the picture 90° to the right
Zoom	Call Zoom-mode with **OK** (page 28)
Effect	Set transition effects
Speed	Set display duration

Music Select

You can playback music to accompany the slide show.

▲ ▼ ◄ ► Select the option **Music Select** in the information menu

Confirm **OK**.

◄ ► ▲ ▼ Select medium and **Music Album**.

➠ Folders containing music are marked with the symbol .

► Select the button **OK**.

Confirm **OK**.

If required, in the information menu, start playback in the option **Music** with **OK**.

Conditions for photo files

- Max. pixel width: 4000 x 3000 pixels /24bit/pixels
- Max. pixel width: 3000 x 3000 pixels /32bit/pixels
- Max. file size 4 Mbyte
- The maximum number of files and folders is ≤ 2000. The search can take longer than 1 minute.
- File extensions: ".jpg", ".jpeg", ".png"
- Photo-files that are compressed progressively or without any loss cannot be displayed.

Other Functions

HDMI Format Setup

You can set the videoresolution of your **BluTechVision 3D** when using the **HDMI OUT** socket to adjust the picture quality optimally to your TV set.

➠ End the playback until you see the Home Menu.

or press **RES** button on the device.

Every time the ● is pressed again, the resolution switches between 576p, 720p, 1080 i and 1080p, provided that this is supported by the TV set connected.

◂ ▸ Confirm the safety message with **Yes**.

Confirm **OK**.

Environment

Environmental Protection

Cardboard box and packaging

In line with national regulations regarding the disposal of packaging materials, we pay a fee to authorised recyclers who collect packaging from dealers. Nevertheless, we recommend that you keep the original cardboard box and the rest of the packaging materials so that the unit can, if necessary, be transported in the safest possible conditions.

The Unit

Attention:The EU Directive 2002/96/EC governs the proper return, handling and recycling of used electronic appliances. Old electronic appliances must therefore be disposed of separately. Never dispose of this unit in the normal domestic waste! You can hand in your old unit free of charge at identified collection points or to your dealer if you buy a similar new unit.

Other details about return (also for non-EU countries) are available from your local authorities.

Remote control batteries

The batteries provided contain no harmful materials such as cadmium, lead or mercury.

Regulations concerning used batteries mean that batteries may no longer be disposed of in household waste. You can dispose of used batteries free of charge at the collection points in commercial outlets. Your dealer will also have a collection point for used batteries.

Troubleshooting

Problem	Possible Cause	Remedy
Not working at all	Mains cable not plugged in.	Plug the mains cable into a socket 220-240 V 50/60 Hz.
No picture.	The device is not connected properly.	Make the connections as described on pages 10-11.
	The TV set is not set up to receive DVD signals.	On the TV set, select the correct AV programme slot.
	The video cable is not connected properly.	Check the both cable plugs to make sure they are firmly plugged into the sockets.
No sound.	Faulty connections of input or output cables.	Connect the cables properly (page 10-11). If the problem persists, it is possible that the cables are faulty.
	The volume is set at minimum.	Turn up the volume.
	The sound is set to mute.	Press or **V +** on the remote control to activate audio output again and then adjust the volume.
Playback does not work.	No disc has been inserted.	Insert a disc
	A disc that can not be played has been inserted.	Insert a playable disc (Check the disc type, the color system and the regional code).
	The Disc is dirty.	Clean the disc.
	The disc has not been inserted with the playable side facing down.	Insert the disc with the playable side facing down.
	The disc has not been inserted in the groove.	Place the disc correctly in the groove in the disc drawer.
A displayed media file cannot be played.	The file format is not supported.	On a computer, convert the file into a supported format using an audio converter programme.
The BD-LIVE ™ function does not work properly.	The internal storage is not adequate.	Delete the internal storage (page 22) or connect an external USB Storage (>1 GB).
	The internet connection does not work properly.	Set the internet connection as described from page 20 onwards and make sure that you have a broadband connection available.
	BD-LIVE ™ is switched off.	Switch the BD-LIVE™ function on (page 21).
The unit is not working properly.		Unplug the mains plug from the mains socket and then try plugging it in again after 30 seconds.
	The software of your Loewe TV set is not compatible wiht BluTechVision 3D.	Contact your specialist retailer.
The remote control is not working properly.	The batteries in the remote control are dead.	Replace the batteries with new ones.

Glossary

24p cinema film showing: Film-makers of the present day record their films at 24 pictures per second (24p); traditional TV sets (and also most of the DVDs) show 50 images per second (50 Hz). To play the film, the original number of pictures is doubled and the film is accelerated. This is optimal for sports transmissions, however if you are watching a more sedate film, it can distort the image quality. The new Loewe TV sets automatically playback 24p films in the original 24p format.

B

Blu-ray Disc™: (BD) disc format for recording/playing back high definition video material (HD) for HDTV sets and for storing large amounts of data.

BD-LIVE™: Additional service offered by some providers of Blu-ray Disc™. This can be used to load current trailers, additional information and interactive media and applications (e.g. games) via a broadband internet connection.

BD-J: The BD-ROM format supports the Java programming language for interactive functions. "BD-J" provides suppliers of content with a greater variety of functions when creating interactive BD-ROM titles.

BD-ROM: On BD-ROM discs up to 25 GB (Single-Layer) or 50 GB (Dual-Layer) data can be stored on a single disc.

C

CEC: Abbreviation for Consumer Electronics Control. CEC makes overall component control functions available for consumer electronics devices (e.g. System-Standby, One Touch Play). CEC is referred to at Loewe as Digital Link HD.

Component OUT: Connection via which the video signal is transmitted using three separate cinch connections. It is made up of the brightness signal "Y" and the color difference signals "Pb" and "Pr". YPbPr is the original analogue version of digital YCbCr, which color codes the video data saved on the DVD or transmitted with DVB by satellite, cable or antenna.

D

Digital Link HD: System for controlling units via the HDMI connection of the Loewe TV set when they have been set up in a covered position.

Dolby Digital: Digital multichannel sound.

Dolby Pro Logic: Analogue multichannel sound.

DHCP: Abbreviation for Dynamic Host Configuration Protocol. DHCP allows automatic assignment of IP addresses with the aid of a DHCP server.

DHCP server: Network service which takes care of automatic assignment of IP addresses to clients.

DRM: Digital Rights Management. Processes to control copyright protected data. To be used correctly, DRM protected contents require not only a DRM capable device but also the possession of a license issued by the provider (to be paid for).

DTS: digital multi-channel sound.

DVD: Abbreviation of Digital Video Disc and later Digital Versatile Disc.

H

HDMI: High Definition Multimedia Interface, is a newly developed interface for full digital transmission of audio and video data.

HDTV (HD): High Definition TeleVision is a generic term which denotes a series of high definition TV standards.

I

Interlaced Mode: Technology for picture creation in line jump process for flicker-free representation of half pictures at double picture frequency.

IP-Address: IP addresses (Internet Protocol Addresses) are used to identify devices in an Internet Protocol (IP) network. IP addresses are made up of four groups of numbers of three digits each.

J

JPEG/JPG: Joint Photographic Experts Group is a body that developed a standardised process for compressing digital pictures. This process JPEG (abbreviated to JPG), that was named after the body, is a widespread graphics format for photos.

L

LAN: Abbreviation for Local Area Network. Mainly used as a name for networks with cabling (Ethernet).

M

MPEG: Digital compression process for video.

MP3: Data format for compressed audio data.

P

PCM: Pulse Code Modulation for digital sound.

Progressive Mode: Technology for image construction with real full screen view for flicker-free depiction.

R

RGB: Color signals red, green and blue.

U

USB: Universal Serial Bus. Serial bus system for connecting external devices (USB card reader, USB stick).

W

WMA: Abbreviation for Windows Media Audio, Microsoft own audio data format. As with MP3 files, the content is compressed here as well.

Y

YCbCr: Digital colour model, see COMPONENT OUT.

YCbCr: analogue colour model, see COMPONENT OUT.

The key number **210499** overrides the password and the child-proof lock. Please keep it in a safe place.

Language code list

Enter the appropriate code for the initial setting of "Disc Audio", "Disc Subtitles" and/or "Disc Menu". (Page 15).

Afar	6565
Afrikaans	6570
Albanian	8381
Amharic	6577
Arabic	6582
Armenian	7289
Azerbaijani	6590
Assamese	6583
Aymara	6588
Baschkiri	6665
Basque	6985
Bengali, Bangla	6678
Bhutanese	6890
Bihari	6672
Breton	6682
Bulgarian	6671
Chinese	9072
Danish	6865
German	6869
English	6978
Esperanto	6979
Estonian	6984
Faroese	7079
Fijian	7074
Finnish	7073
French	7082
Friesian	7089
Galician	7176
Georgian	7565
Greek	6976
Greenlandic	7576
Guarani	7178
Gujarati	7185
Haussa	7265
Hebrew	7387
Hindi	7273
Indonesian	7378
Interlingua	7365
Irish	7165
Icelandic	7383
Italian	7384
Javan	7487
Yiddish	7473
Canadian	7578
Kazakhi	7575
Kashmiri	7583
Kirghizi	7589
Korean	7579
Croatian	7282
Kurdish	7585
Lao	7679
Latin	7665
Latvian	7686
Lingala	7678
Lithuanian	7684
Madagascar	7771
Malay	7783
Malayalam	7776
Maori	7773
Marathi	7782
Macedonian	7775
Moldavian	7779
Mongolian	7778
Burmese	7789
Nauru	7865
Nepalese	7869
Dutch	7876
Norwegian	7879
Oriya	7982
Punjabi	8065
Paschtu	8083
Persian	7065
Polish	8076
Portuguese	8084
Quechua	8185
Retoromanian	8277
Romanian	8279
Russian	8285
Samoan	8377
Sanskrit	8365
Scottish (Gaelic)	7168
Swedish	8386
Serbian	8382
Serbo-Croatian	8372
Shona	8378
Sindhi	8368
Sinhalese	8373
Slovak	8375
Slovenian	8376
Spanish	6983
Sudanese	8385
Swahili	8387
Tadjiki	8471
Tagalog	8476
Tamil	8465
Telugu	8469
Thai	8472
Tongalese	8479
Czech	6783
Turkish	8482
Turkmenian	8475
Twi	8487
Ukrainian	8575
Hungarian	7285
Urdu	8582
Uzbek	8590
Vietnamese	8673
Volapük	8679
Welsh	6789
White-Russian	6669
Wolof	8779
Xhosa	8872
Yoruba	8979
Zulu	9085

Area Code List

Enter the appropriate code for the initial setting of the "Area Code" (Page 19).

Afghanistan	AF
Egypt	EG
Antilles	AN
Argentina	AR
Ethiopia	ET
Australia	AU
Belgium	BE
Bhutan	BT
Bolivia	BO
Brazil	BR
Chile	CL
China	CN
Costa Rica	CR
Denmark	DK
Germany	DE
Ecuador	EC
El Salvador	SV
Fiji	FJ
Finland	FI
France	FR
Greece	GR
Greenland	GL
Great Britain	GB
Hong Kong	HK
India	IN
Indonesia	ID
Israel	IL
Italy	IT
Jamaica	JM
Japan	JP
Cambodia	KH
Canada	CA
Kenya	KE
Columbia	CO
Croatia	HR
Kuwait	KW
Libya	LY
Luxembourg	LU
Malaysia	MY
Maldives	MV
Morocco	MA
Mexico	MX
Monaco	MC
Mongolia	MN
Nepal	NP
New Zealand	NZ
The Netherlands	NL
Nigeria	NG
Norway	NO
Oman	OM
Austria	AT
Pakistan	PK
Panama	PA
Paraguay	PY
Philippines	PH
Poland	PL
Portugal	PT
Czech Republic	CZ
Republic of Congo	CG
Slovak Republic	SK
Romania	RO
Russian Federation	RU
Saudi Arabia	SA
Sweden	SE
Switzerland	CH
Senegal	SN
Zimbabwe	ZW
Singapore	SG
Slovenia	SI
Spain	ES
Sri Lanka	LK
South Africa	ZA
South Korea	KR
Taiwan	TW
Thailand	TH
Turkey	TR
Uganda	UG
Ukraine	UA
Hungary	HU
Uruguay	UY
USA	US
Uzbekistan	UZ
Vietnam	VN
Zimbabwe	ZW

Technical specifications

General

BluTechVision 3D	Item No. 51501 L/T
Operating temperature	5 °C ... 35 °C
Humidity	30 % ... 85 % (no condensation)
Dimensions (approx.)	430 x 62 x 252 mm (W x H x D)
Weight	2,5 kg

Electrical Data

Power supply	AC 200 - 240V, 50/60 Hz
Power consumption	during operation:22 W Standby: 0.5 W
Laser	Laser class 1, wavelength: 405nm/650nm
Storage for BD-LIVE™	1 GB

Interfaces

2CH AUDIO OUT	Analogue, Stereo, 2 V, 600 Ohm, RCA socket x 2
DIGITAL OUTPUT OUT (COAXIAL)	0.5 V (p-p), 75 Ohm, 44,1 kHz, RCA socket
DIGITAL OUTPUT OUT (OPTICAL)	optical socket 1x, (TOSLINK)
OUTPUT COMPONENT	(Y) 1.0 V (p-p), 75 Ohm (Pb)/(Pr) 0.7 V (p-p), 75 ohms, RCA sockets x 3
HDMI OUT	Type A, 19 Pin, TMDS digital, V1.4
VIDEO OUT	(FBAS) 1.0 V (p-p), RCA socket
USB	2x V 2.0, Type A
LAN	Wired network RJ-45

Playback

Playback format	Blu-ray Disc™, Blu-ray 3D™ DVD VIDEO, DVD+/-R, DVD+/-RW (Video Mode) CD, CD-R, CD-RW
Video standards	TV Standard PAL / NTSC TV Aspect Ratio 16:9, Letterbox 4:3, 4:3 Pan Scan
Audio standards	Dolby Digital (AC-3), Dolby, MPEG, PCM,
Frequency range	20 Hz to 20 kHz (48 kHz, 96 kHz, 192 kHz Sampling)
Signal to noise ratio	> 100 dB (2CH AUDIO OUT)
Scope of the dynamics (1 kHz)	> 95 dB (DVD/Blu-ray Disc™)
Harmonic distortions	< 0.008 % (DVD/Blu-ray Disc™)

File formats supported

Audio	MP3, WMA (without DRM)
Photo	JPEG, PNG
Video	DivX, DivX HD

Wired network

Standards supported	10 Mbit/s Ethernet (10Base-T), 100 Mbit/s Fast Ethernet (100Base-T)

Company and editorial details

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